

INTERNATIONAL SEARCH REPORT

 Inter al Application No
 PCT/US 01/47807

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L12/64 H04J3/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04L H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 751 951 A (CASLEY ROSS T ET AL) 12 May 1998 (1998-05-12) column 4, line 17 - line 63 figures 26,27	1,26,51, 80,81, 106
A	US 5 490 247 A (GUTMANN MIKE ET AL) 6 February 1996 (1996-02-06) column 1, line 31 - line 57 column 18, line 29 - line 35	1-106
X	WO 98 02988 A (PHILIPS ELECTRONICS NV ;PHILIPS NORDEN AB (SE)) 22 January 1998 (1998-01-22) page 5, line 1 -page 6, line 17; figure 2	107
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principles or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

30 January 2003

Date of mailing of the international search report

13. 02. 2003

Name and mailing address of the ISA

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Authorized officer

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Relevant to claim No.	
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WO 96 42158 A (ERICSSON TELEFON AB L M
KUNDEL MIKAEL (SE); PETERSEN LARS GOERAN)
27 December 1996 (1996-12-27)
figure 11

107

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 01/47807**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-106

Controller being configured to generate transmit and receive packets and to form a digital presentation data into one or more types of data packets

2. Claim : 107

State machine for use in obtaining synchronization in an electronic system for transferring a digital data

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PC1/US 01/47807

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5751951	A	12-05-1998	JP 2990345 B2 JP 9171492 A	13-12-1999 30-06-1997
US 5490247	A	06-02-1996	WO 9515047 A2	01-06-1995
WO 9802988	A	22-01-1998	US 6298387 B1 EP 0850522 A2 WO 9802988 A2 JP 11513225 T	02-10-2001 01-07-1998 22-01-1998 09-11-1999
WO 9642158	A	27-12-1996	SE 506540 C2 AU 6021896 A BR 9608762 A CA 2224196 A1 CN 1192836 A ,B EP 0872085 A1 JP 11507788 T RU 2156035 C2 SE 9502142 A WO 9642158 A1 US 5963564 A	12-01-1998 09-01-1997 06-07-1999 27-12-1996 09-09-1998 21-10-1998 06-07-1999 10-09-2000 14-12-1996 27-12-1996 05-10-1999